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## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 4110

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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Place of search MUNICH		Date of completion of the search 1 October 2003	Examiner von Walter, S-U
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

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## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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A high-frequency switch (10) comprises: a substrate (11); a main line electrode (12) provided between two terminals; a stub line electrode (15) with one end thereof connected to the side edge of the main line electrode and the other end thereof grounded; and a ground electrode (16) provided adjacent to the stub line electrode in the width direction thereof; wherein the substrate has a semiconductor activation layer (19) which extends to below the stub line electrode (15) and the ground electrode (16) between at least one side edge of the stubline electrode and the ground electrode; and wherein a gate electrode (20) which extends in the longitudinal direction of the stub line electrode is provided on the semiconductor activation layer between the stub line electrode and the ground electrode, thereby forming an FET structure, thus providing a high-frequency switch and electronic device therewith, capable of using high frequencies, having reduced insertion loss, and high signal cutoff capabilities.